We Claim:

1. A die attach adhesive comprising

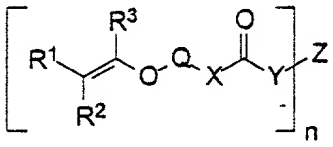
(a) 5 to 30 weight percent of a mixture of a vinyl ether compound containing polar functionality and an electron acceptor compound,

(b) 0.01 to 10.0 weight percent of a free-radical initiator or photoinitiator,

(c) 70 to 95 weight percent of a conductive or nonconductive filler,

to a total of 100 weight percent,

in which the vinyl ether has the structure



in which

n is 1 to 6;

R^1, R^2, and R^3 are hydrogen, methyl or ethyl;

Q is an alkyl or cyckoalkyl linear or branched chain having 1 to 12 carbon atoms; an alkylenoxy chain having 1 to 12 carbon atoms, or aromatic or fused aromatic ring having 3 to 10 carbon atoms and optionally containing the heteroatoms O, N or S;

X and Y are independently O, NR^1, or S, with the proviso that both X and Y cannot be oxygen or sulfur;

Z is a branched or linear alkane, which may contain cyclic moieties, a siloxane, a polysiloxane, a C_1 to C_4 alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

2. The die attach adhesive according to claim 1 in which

R^1, R^2, and R^3 are hydrogen,

Q is a linear or branched chain alkyl having 1 to 12 carbon atoms; and

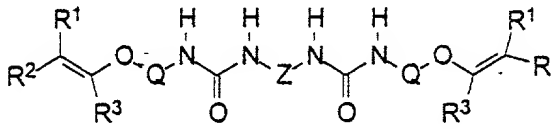
Z is a linear or branched chain alkyl having up to 36 carbon atoms.

3. The die attach adhesive according to claim 1 in which the filler is a conductive filler.

4. The die attach adhesive according to claim 3 in which the filler is silver.

5. The die attach adhesive according to claim 1 in which the filler is tetrafluoroethylene.

6. A vinyl ether compound having the structure:



in which

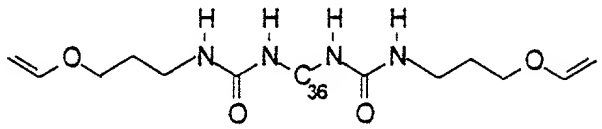
R^1, R^2, and R^3 are independently hydrogen, a methyl group, or an ethyl group;

Q is an alkyl or alkylenoxy linear or branched chain having 1 to 12 carbon atoms;

Z is a branched or linear alkane, which may contain cyclic moieties, a siloxane, a polysiloxane, a C_1 to C_4 alkoxy-terminated siloxane or

polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

7. The vinyl ether compound according to claim 5 having the structure

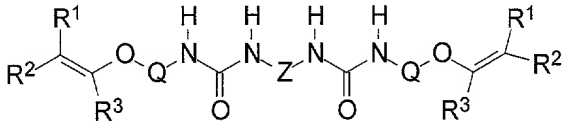


in which C_{36} is a mixture of isomers of a 36 carbon linear or branched chain.

8. An adhesive composition containing the vinyl ether compound according to claim 5, a free radical initiator or photoinitiator, and optionally a conductive or nonconductive filler.

CLAIMS - CLEAN VERSION

6. The vinyl ether compound according to claim 9 having the structure:



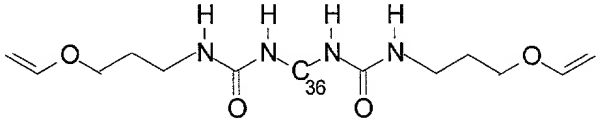
in which

R^1, R^2, and R^3 are independently hydrogen, a methyl group, or an ethyl group;

Q is an alkyl or alkylenoxy linear or branched chain having 1 to 12 carbon atoms;

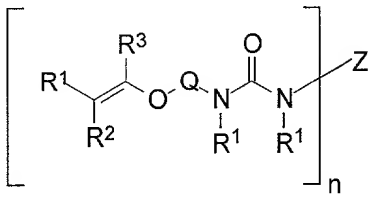
Z is a branched or linear alkane, which may contain cyclic moieties, a siloxane, a polysiloxane, a C_1 to C_4 alkoxy-terminated siloxane or polysiloxane, a polyether, a polyester, a polyurethane, a poly(butadiene), or an aromatic, polyaromatic, or heteroaromatic group.

7. The vinyl ether compound according to claim 9 having the structure



in which C_{36} is a mixture of isomers of a 36 carbon linear or branched chain.

9. A vinyl ether compound having the structure:



in which

n is 1 to 6;

R^1, R^2, and R^3 are hydrogen, methyl or ethyl;

Q is an alkyl or cyckoalkyl linear or branched chain having 1 to 12 carbon atoms; an alkylenoxy chain having 1 to 12 carbon atoms, or aromatic or fused aromatic ring having 3 to 10 carbon atoms and optionally containing the heteroatoms O, N or S;

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